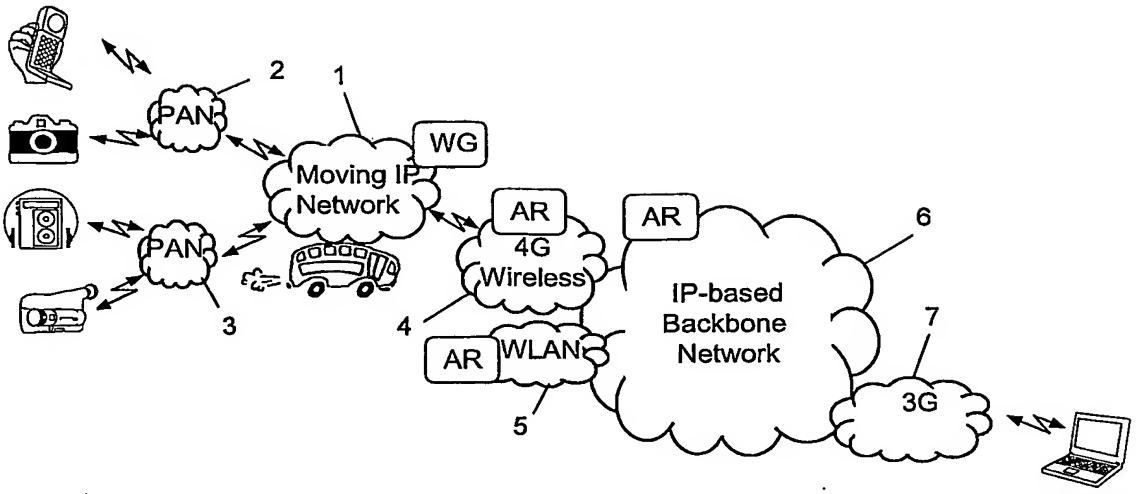
PAN
2
1
WG
Moving IP
Network
PAN
3
AR
4G
Wireless
4
AR
AR
WLAN
5
6
IP-based
Backbone
Network
7
3G

FIG 1

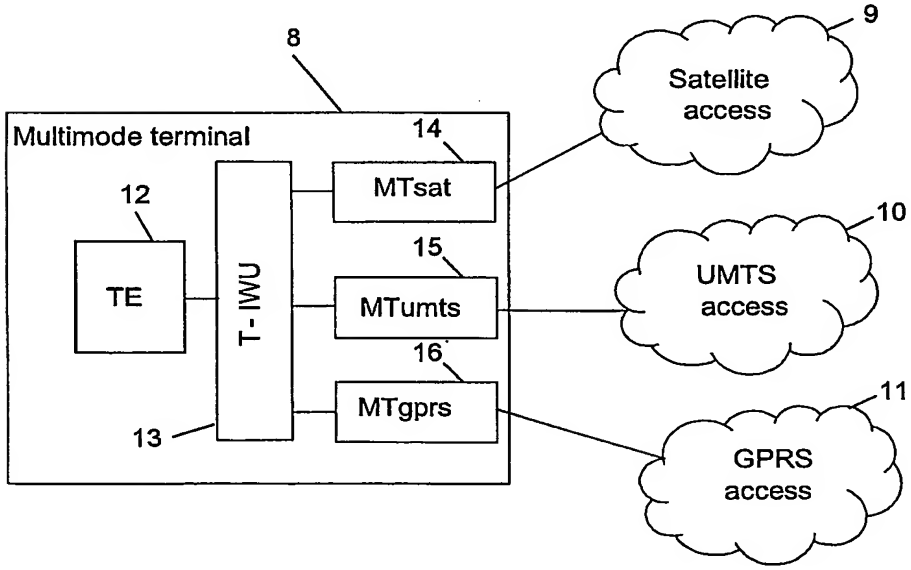
8
Multimode terminal
12
TE
T- IWU
13
14
MTsat
15
MTumts
16
MTgprs
9
Satellite
access
10
UMTS
access
11
GPRS
access

FIG. 2

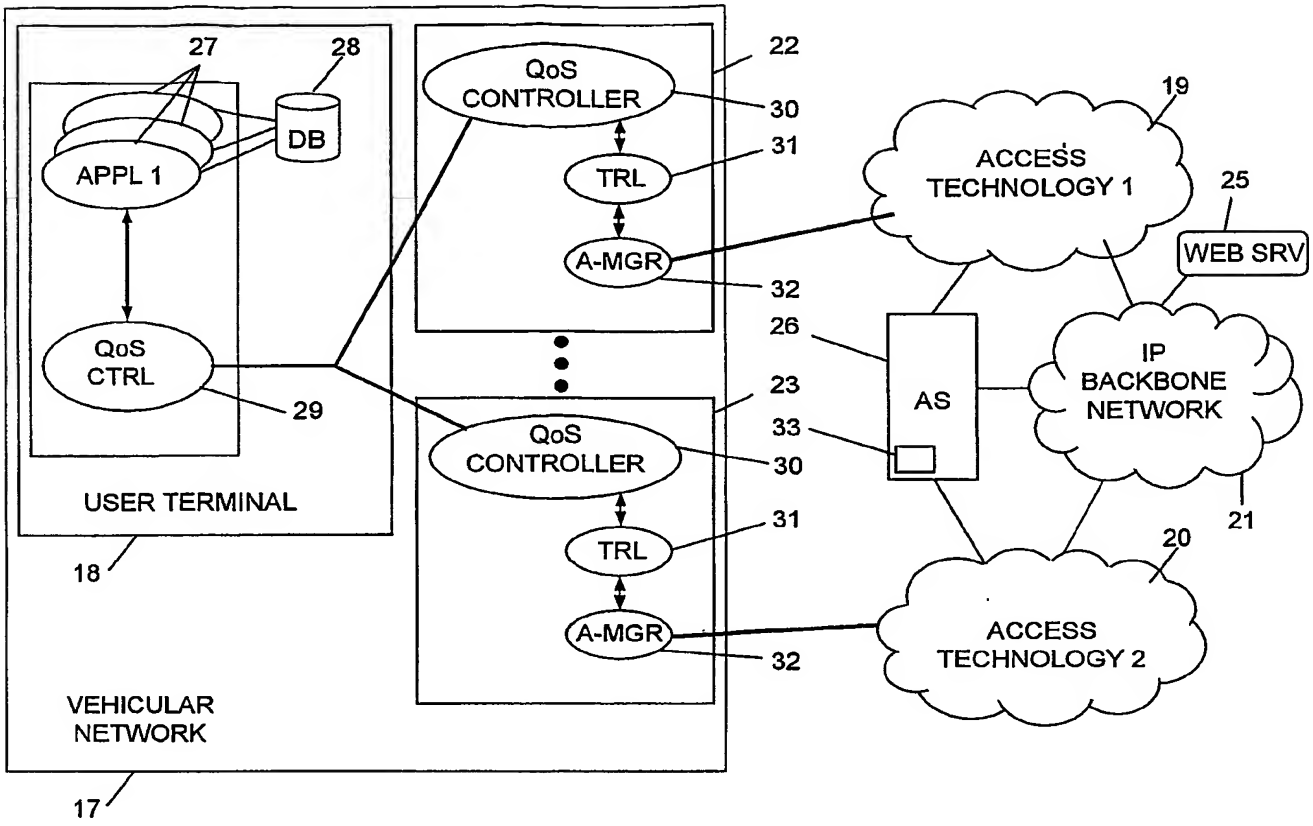
27
28
DB
APPL 1
QoS CTRL
29
USER TERMINAL
18
QoS CONTROLLER
22
30
TRL
31
A-MGR
32
QoS CONTROLLER
23
30
TRL
31
A-MGR
32
VEHICULAR NETWORK
17
19
ACCESS TECHNOLOGY 1
25
WEB SRV
26
AS
33
IP BACKBONE NETWORK
21
20
ACCESS TECHNOLOGY 2

FIG. 3

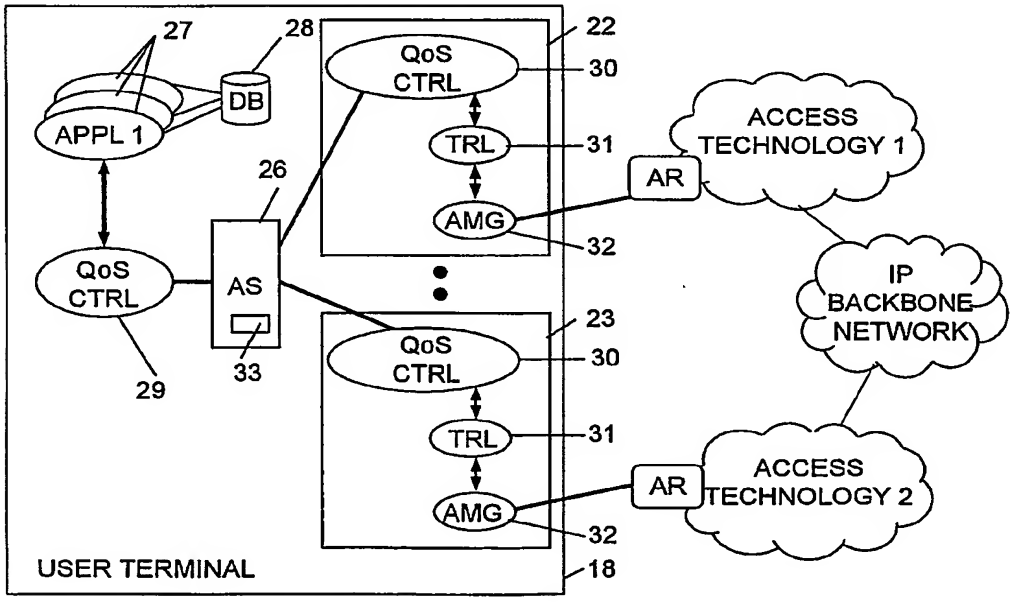
27
28
DB
APPL 1
QoS CTRL
29
26
AS
33
QoS CTRL
22
30
TRL
31
AMG
32
QoS CTRL
23
30
TRL
31
AMG
32
USER TERMINAL
18
ACCESS TECHNOLOGY 1
AR
IP BACKBONE NETWORK
AR
ACCESS TECHNOLOGY 2

FIG. 4

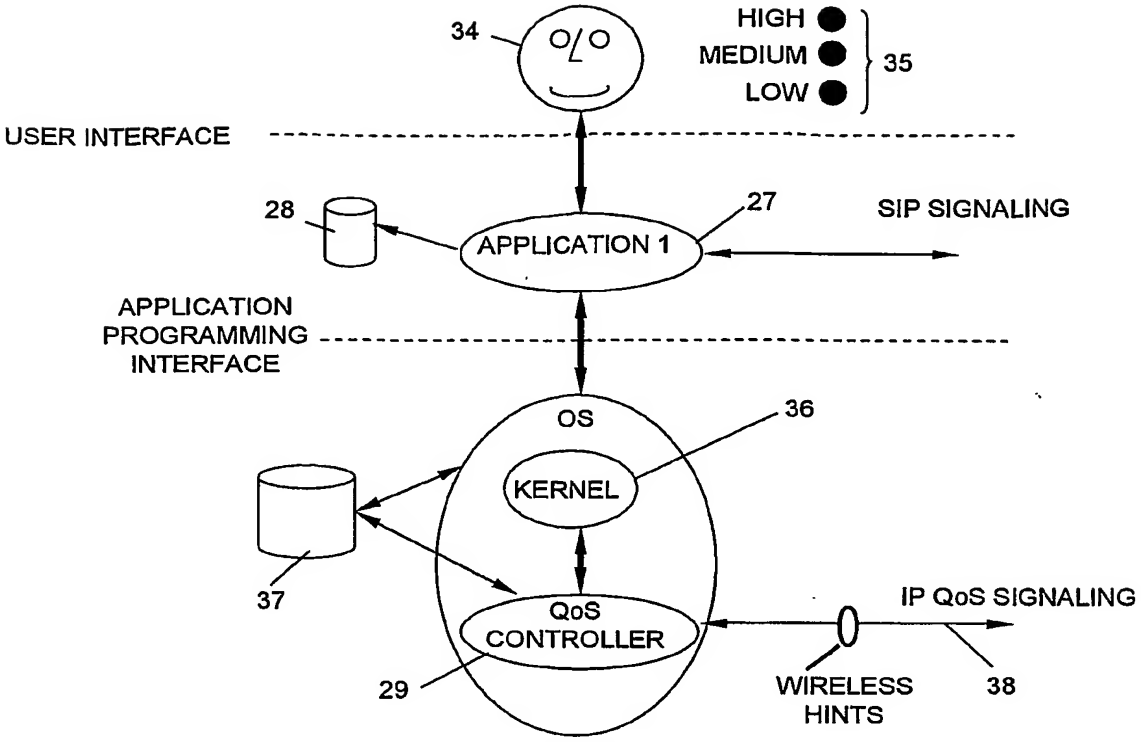
34
HIGH
MEDIUM
LOW
35
USER INTERFACE
28
27
APPLICATION 1
SIP SIGNALING
APPLICATION PROGRAMMING INTERFACE
OS
36
KERNEL
37
QoS CONTROLLER
IP QoS SIGNALING
29
WIRELESS HINTS
38

FIG. 5

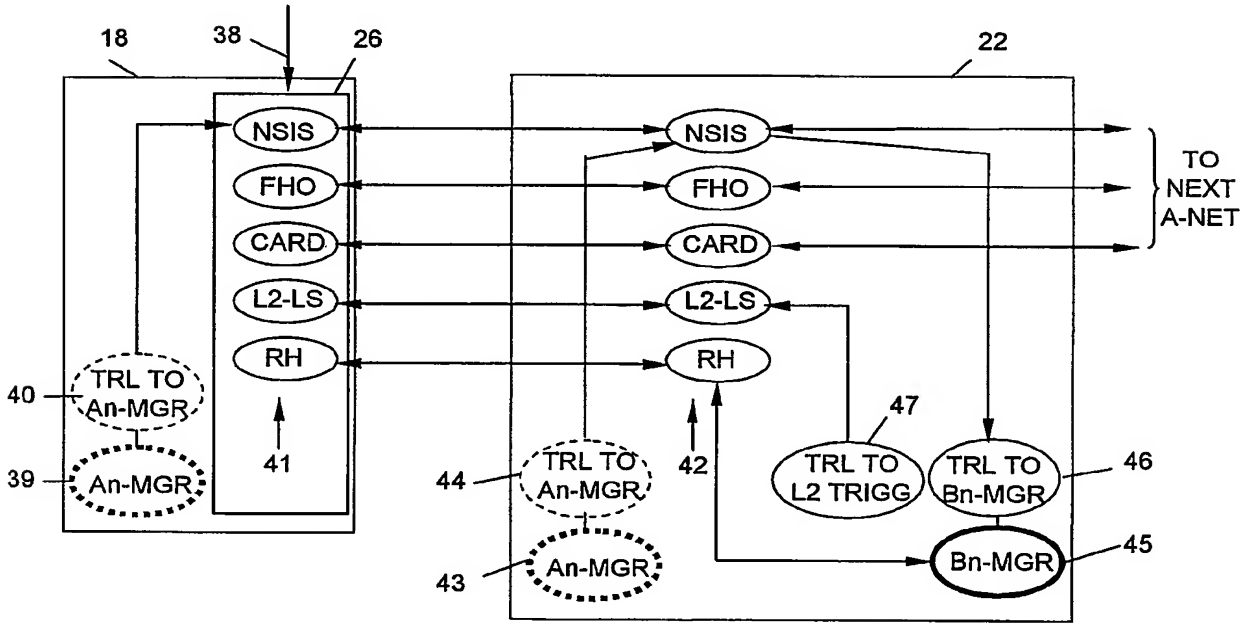
18
38
26
22
NSIS
FHO
CARD
L2-LS
RH
TO NEXT A-NET
40
TRL TO An-MGR
39
An-MGR
41
44
TRL TO An-MGR
43
An-MGR
42
47
TRL TO L2 TRIGG
TRL TO Bn-MGR
46
Bn-MGR
45

FIG. 6

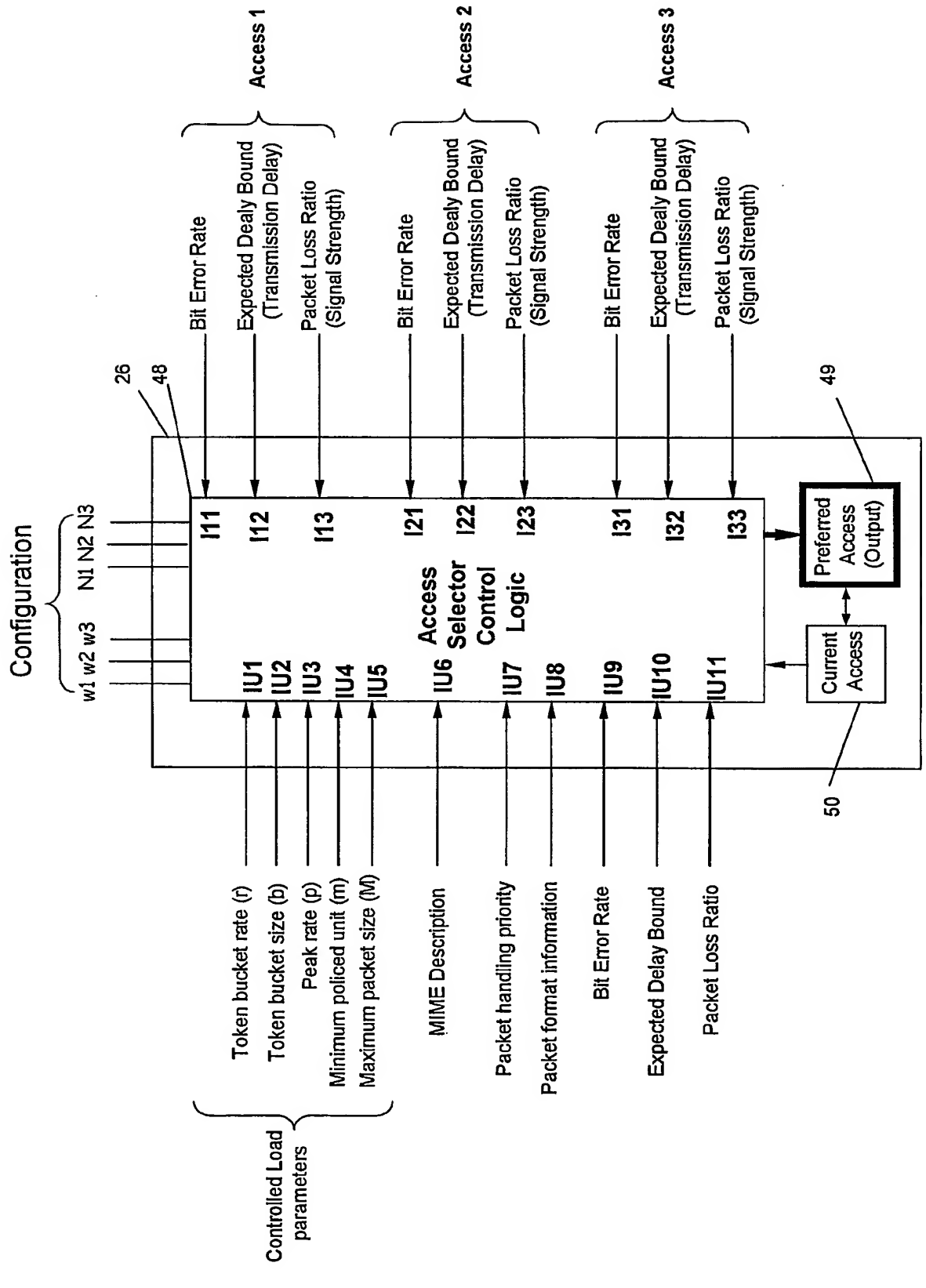
Configuration
w1 w2 w3
N1 N2 N3
Access 1
Access 2
Access 3
Bit Error Rate
Expected Dealy Bound (Transmission Delay)
Packet Loss Ratio (Signal Strength)
I11
I12
I13
I21
I22
I23
I31
I32
I33
IU1
IU2
IU3
IU4
IU5
IU6
IU7
IU8
IU9
IU10
IU11
Access Selector Control Logic
Preferred Access (Output)
Current Access
26
48
49
50
Token bucket rate (r)
Token bucket size (b)
Peak rate (p)
Minimum policed unit (m)
Maximum packet size (M)
Controlled Load parameters
MIME Description
Packet handling priority
Packet format information
Bit Error Rate
Expected Delay Bound
Packet Loss Ratio

FIG. 7

Output Access System = fa(MAX(AC1, AC2, AC3)),

Where:

fa(ACi) = gives the index of the access system to which the ACi parameter belongs; e.g. fa(AC3) = 3.

AC1 = Ln(W1 * (IU9-I11)/N1+1) + Ln(W2*(IU10-I12)/N2+1) + Ln(W3*(IU11-I13)/N3+1);
AC2 = Ln(W1 * (IU9-I21)/N1+1) + Ln(W2*(IU10-I22)/N2+1) + Ln(W3*(IU11-I23)/N3+1);
AC3 = Ln(W1 * (IU9-I31)/N1+1) + Ln(W2*(IU10-I32)/N2+1) + Ln(W3*(IU11-I33)/N3+1);

Where:

W1 = weight factor for bit error rate; N1 = normalization constant for bit error rate
W2 = weight factor for expected delay bound; N2 = normalization constant for expected delay bound
W3 = weight factor for packet loss ratio; N3 = normalization constant for packet loss ratio

FIG. 8

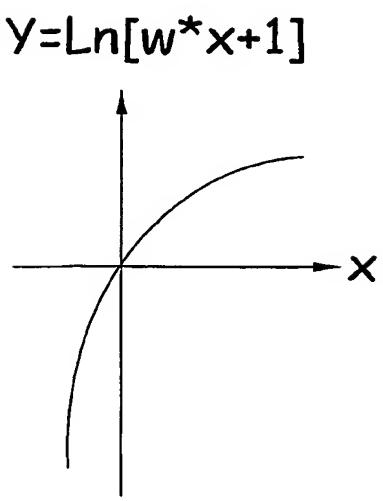

FIG. 9

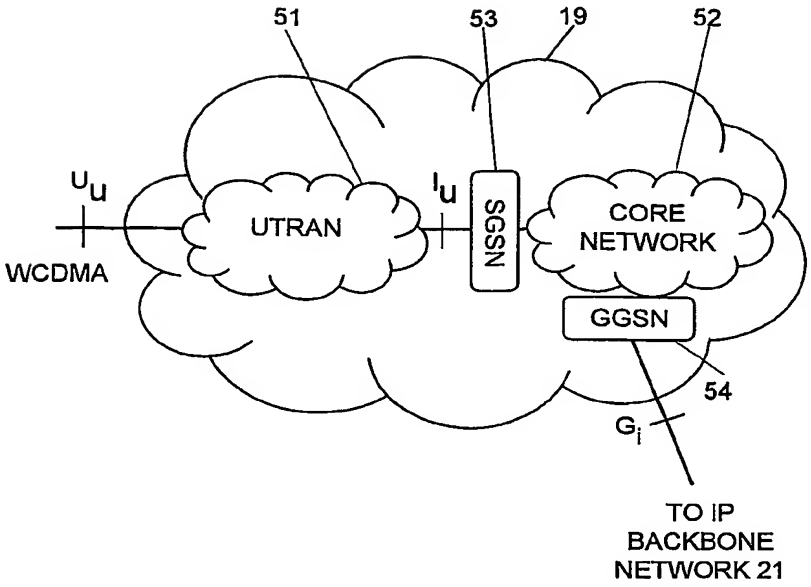

FIG. 10

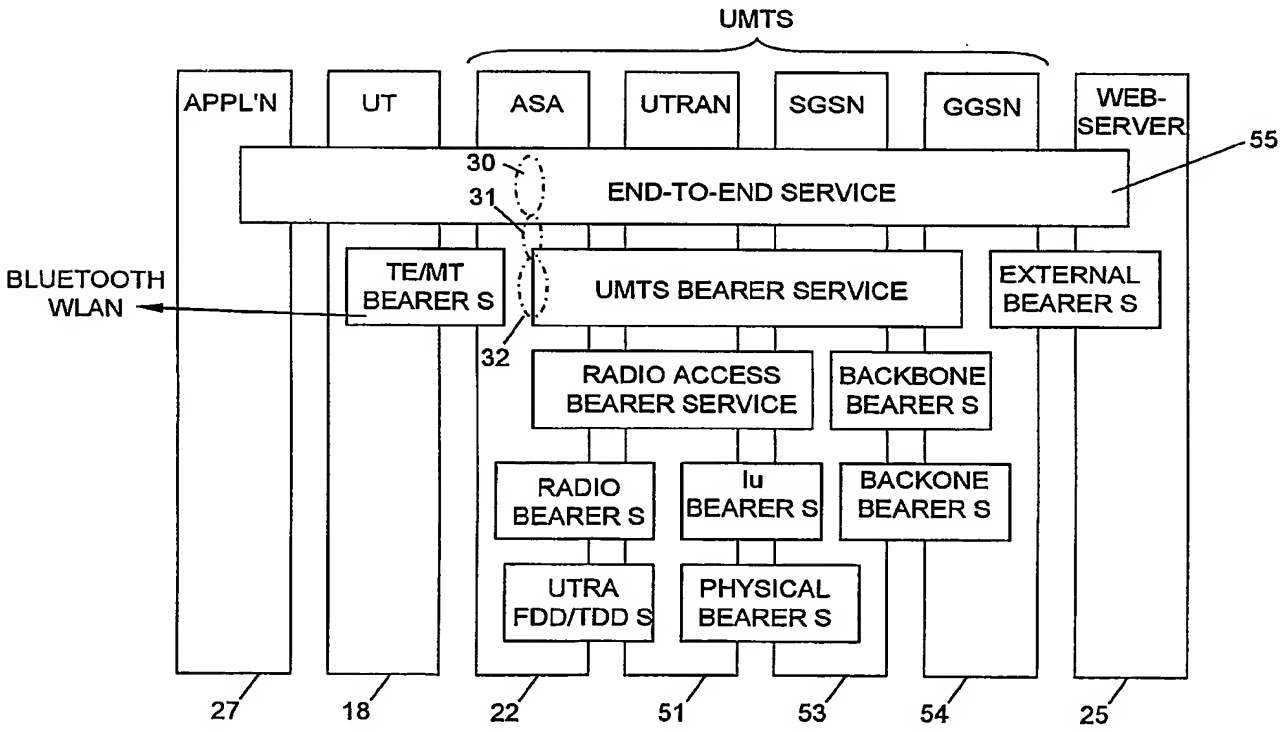

FIG 11